

Notice of Allowability

Application No.

10/052,840

Examiner

Samson B. Lemma

Applicant(s)

EVANS, GLENN F.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed on 02/21/2006.
2. ☒ The allowed claim(s) is/are 42,43,45-50 and 56.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date enclosed
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


KAMBIZ ZAND
PRIMARY EXAMINER

DETAILED ACTION

1. The request filed February 21, 2006 for a request for continued examination (RCE) under 37 CFR 1.114 based on patent application 10/052,840 is acceptable and an RCE has been established. Accordingly, claims 42, 44, 46, 50 and 56 are amended.
Claims 1-41, 51-55 and 57-84 were previously cancelled.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with **Lance R. Sadler** Reg. No 38,605 on 03/01/2006.

The application has been amended as follows: In the claims

42. (Currently Amended) A method comprising:
providing one or more key pairs, individual key pairs comprising an encryption key that can be used to encrypt data and a decryption key that can be used to decrypt data encrypted with the encryption key; ~~and~~
associating individual key pairs with individual protected portions of memory that comprise part of a video card memory, wherein the video card

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memory includes unprotected portions of memory that are not associated with individual key pairs ; and
said act of associating comprises defining a table on the video card, the table having individual entries that associate individual key pairs with individual protected portions of the memory.

44. (Canceled)

45. (Currently Amended) The method of claim 44- 42 ,wherein the table is defined as part of a memory controller on the video card.

56. (Currently Amended) A method comprising:

defining a table on a video card, the table having individual entries that associate individual key pairs with individual protected portions of video card memory;

reading data from one or more protected portions of memory on ~~[[a]]~~ the video card, ~~individual protected portions of the memory having an associated~~

~~encryption/decryption key pair~~, wherein the video card has individual unprotected portions of memory;

recording key pairs associated with the protected memory portions from which the data was read;

operating on the data read from the one or more protected portions of the memory to provide output data;

ascertaining whether the key pairs associated with the protected memory portions from which the data was read are equivalent to a key pair associated with a

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protected video memory portion that is to serve as a destination for the output data; and

if the key pairs are equivalent, providing the output data into the destination protected video memory portion.

Allowable Subject Matter

2. As the result of the examiner's amendment **independent claims 42 and 56** have been further amended and **dependent claim 44 has been canceled**. Therefore, **claims 42-43, 45-50 and 56** remains in the application.

3. **Claims 42-43, 45-50 and 56** are allowed.

4. The following is an examiner's statement of reasons for allowance:

5. Referring to **the independent claims 42 and 56** the art on the record, namely Derk L. Davis discloses the limitation recited in the independent claims **42 and 56** before the claims were amended.
- However independent **claims 42 and 56** are amended. Furthermore as the result of the examiner's amendment dependent claims 44 has been canceled and incorporated into the **independent claims 42 and 56**.

The 112 rejection has been overcome by the amendment.

Davis does not disclose or suggest providing one or more key pairs or associating individual key pairs with individual portions of memory that comprise part of a video card memory wherein the video card memory includes unprotected portions of memory that are not associated with individual key pairs with the following functional limitation recited as follows, said act of associating comprises defining a table on the video card, the table

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having individual entries that associate individual key pairs with individual protected portions of the memory.

None of the prior art of record taken singularly or in combination teaches or suggests such a method with all the limitations recited in respective independent claims 24 and 56 in combination with functional limitation recited above.

For the reasons provided above, the amended independent claims **24 and 56** are allowed.

6. **The dependent claims 43 and 45-50 which are dependent on the independent claim 42** being further limiting to the independent claims, definite and enabled by the specification are also allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samson B Lemma whose telephone number is 571-272-3806. The examiner can normally be reached on Monday-Friday (8:00 am --4: 30 pm).


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BARRON JR GILBERTO can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SAMSON LEMMA
S.L.
03/01/2006



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